Sanchit Mahajan

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Professional Summary

Full-Stack Developer with a strong foundation in Linux systems administration (Red Hat Certified System Administrator). Experienced in leading technical teams, building scalable SaaS platforms, implementing secure backend systems, and leveraging machine learning techniques to solve real-world problems.

Tech Stack

- **Tech Stack**: React.js, Next.js, Tailwind CSS, Node.js, Express, FastAPI, Django
- **Languages/DB**: JavaScript, Python, Bash, MongoDB, PostgreSQL
- **Cloud/DevOps**: Docker, Podman, Linux (Red Hat/CentOS), RHCSA

Education

SRM Institute of Science and Technology, B. Tech in Computer Science with Specialization in Cyber Security — Sept 2022 – Present

- GPA: 8.71
- **Leadership:** Vice President of Liftoff (Product Lab & Student Tech Club)
- **Achievements:** Winner: Code Craft Chase 2025, a Cyber Security Hackathon

Sanskriti School, New Delhi, Class XII (CBSE) — 2018 – 2022

- Division I (>80%)

Experience

Vice President, Liftoff – Chennai, TN — Oct 2023 – Present

- Spearheaded development of 3 full-stack SaaS products using React, MongoDB, and FastAPI, used by 100+ students.
- Designed a modular onboarding curriculum, incorporating Git workflows, CI/CD basics, and deployment strategies, resulting in a 50% increase in project completion rates.
- Mentored 20+ developers through weekly code reviews and hands-on workshops across full-stack and ML domains.

Summer Intern, Intel Unnati Industrial Training Program — May 2024 – July 2024

- Engineered end-to-end sentiment analysis pipeline on product reviews using Intel OpenVINO and pandas, reducing preprocessing time by 30%.
- Integrated transformer models for multilingual sentiment classification with 85% accuracy on benchmark datasets (Amazon, Yelp).
- Implemented results on a Flask dashboard hosted on Intel-provided VMs using Docker.

Projects

Phishing URL Detection with Machine Learning — GitHub.com/Agnishield

- Achieved 97% precision in phishing classification using handcrafted URL features.
- Developed scalable API with FastAPI, integrated into a browser extension prototype for real-time phishing alerts.
- Orchestrated deployment using Uvicorn and Docker, tested on over 5,000 URLs.
- Technologies: FastAPI, XGBoost, Python, pandas, numpy, scikit-learn, tldextract, Uvicorn

Writestart — GitHub.com/Writestart

- Generated 1,000+ AI-powered marketing prompts with OpenAI's GPT-3.5, tailored for early-stage startups.
- Constructed dynamic prompt generator using Express.js and launched on Vercel, achieving <300ms response time.
- Attracted 150+ early users within a week of launch via community marketing.
- Technologies: Node.js, Express, Tailwind CSS, OpenAI API, Vercel

Certifications

- Red Hat Certified System Administrator (RHCSA)
- AWS Certified Cloud Practitioner
- MongoDB Certified Developer Associate